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Altri autori (Persone)	CaludeCristian <1952-> CaludeElena DinneenM. J. <1957->
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Soggetti	Logic, Symbolic and mathematical Machine theory Computer science Computer science - Mathematics Discrete mathematics Mathematical Logic and Foundations Formal Languages and Automata Theory Computer Science Logic and Foundations of Programming Theory of Computation Discrete Mathematics in Computer Science
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Papers -- Recognizable Sets of Graphs, Hypergraphs and Relational Structures: A Survey -- Some New Directions and Questions in Parameterized Complexity -- Basic Notions of Reaction Systems -- A Kleene Theorem for a Class of Communicating Automata with Effective Algorithms -- Algebraic and Topological Models for DNA Recombinant Processes -- Contributed Papers -- Regular Expressions for Two-Dimensional Languages Over One-Letter Alphabet -- On Competence in CD Grammar Systems -- The Dot-Depth and the Polynomial Hierarchy Correspond on the Delta Levels -- Input Reversals and

Iterated Pushdown Automata: A New Characterization of Khabbaz
 Geometric Hierarchy of Languages -- On the Maximum Coefficients of
 Rational Formal Series in Commuting Variables -- On Codes Defined by
 Bio-operations -- Avoidable Sets and Well Quasi-Orders -- A Ciliate
 Bio-operation and Language Families -- Semantic Shuffle on and
 Deletion Along Trajectories -- Sturmian Graphs and a Conjecture of
 Moser -- P Systems Working in the Sequential Mode on Arrays and
 Strings -- Optimal Time and Communication Solutions of Firing Squad
 Synchronization Problems on Square Arrays, Toruses and Rings -- The
 Power of Maximal Parallelism in P Systems -- An Efficient Pattern
 Matching Algorithm on a Subclass of Context Free Grammars -- On the
 Complexity of 2-Monotone Restarting Automata -- On Left-Monotone
 Deterministic Restarting Automata -- On the Computation Power of
 Finite Automata in Two-Dimensional Environments -- The Role of the
 Complementarity Relation in Watson-Crick Automata and Sticker
 Systems -- The Boolean Closure of Linear Context-Free Languages --
 Context-Sensitive Decision Problems in Groups -- Decidability and
 Complexity in Automatic Monoids -- Relating Tree Series Transducers
 and Weighted Tree Automata -- An NP-Complete Fragment of LTL --
 From Post Systems to the Reachability Problems for Matrix Semigroups
 and Multicounter Automata -- Words Avoiding n -Powers and the Thue–
 Morse Morphism -- On the Equivalence Problem for E-Pattern
 Languages Over Small Alphabets -- Complementation of Rational Sets
 on Countable Scattered Linear Orderings -- On the Hausdorff Measure
 of n -Power Languages -- A Method for Deciding the Finiteness of
 Deterministic Tabled Picture Languages -- Tissue P Systems with
 Minimal Symport/Antiport.

Sommario/riassunto

The main subjects of the Developments in Language Theory (DLT) conference series are formal languages, automata, conventional and unconventional computation theory, and applications of automata and language theory. Typical, but not exclusive, topics of interest include: grammars and acceptors for strings, graphs, and arrays; efficient text algorithms; combinatorial and algebraic properties of languages; decision problems; relations to complexity theory and logic; picture description and analysis; cryptography; concurrency; and DNA and quantum computing. The members of the steering committee of DLT are: J. Berstel (Paris), M. Ito (Kyoto), W. Kuich (Vienna), G. Păun (Bucharest and Seville), A. Restivo (Palermo), G. Rozenberg (chair, Leiden), A. Salomaa (Turku) and W. Thomas (Aachen). The first DLT conference was organized by G. Rozenberg and A. Salomaa in Turku in 1993. After this, the DLT conferences were held in every odd year: Magdeburg (1995), Thessaloniki (1997), Aachen (1999) and Vienna (2001). Since 2001, a DLT conference has been organized in every odd year in Europe and in every even year outside Europe. The last two DLT conferences were organized in Kyoto, Japan in 2002 and Szeged, Hungary in 2003. The titles of the volumes of the past DLT conferences are the following: 1. Developments in Language Theory. At the Crossroads of Mathematics, Computer Science and Biology (edited by G. Rozenberg and A. Salomaa) (1994) (World Scientific) 2. Developments in Language Theory II. At the Crossroads of Mathematics, Computer Science and Biology (edited by J. Dassow, G. Rozenberg and A. Salomaa) (1996) (World Scientific) 3. Proceedings of the Third International Conference on Developments in Language Theory (edited by S.
